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Enforcement

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SEVP

## **SEVIS II Data Migration Overview**

**NAFSA Annual Conference  
Kansas City, MO  
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## Agenda

- What is Data Migration?
- What is the purpose of Data Migration?
- What is the process for Data Migration?
- What do I need to do during IOC?
- What else can I do during IOC?
- What can I do to prepare for Data Migration?
- What are the new rules for names?



# What is Data Migration?

- **Data Migration** is the process of importing or combining data from one system and ensuring that the data is properly stored in the new system.
- Commonly used terms regarding SEVIS II Data Migration:
  - **Legacy data:** The information that exists in current SEVIS will be referred to as legacy data in SEVIS II.
  - **Initial Operating Capability (IOC):** The initial release of the SEVIS II. During IOC, records from SEVIS I will be migrated to SEVIS II and customer accounts will be created.
  - **Full Operating Capability (FOC):** SEVIS II is fully deployed and becomes the system of record.



## What is the purpose of Data Migration?

- To ensure SEVIS II includes all data captured since the inception of SEVIS I
- To implement the one person – one record concept
- To prevent school/program users from re-entering existing data
- To ensure that the legacy data conforms to the new enhanced architecture and format of SEVIS II
- To prepare for the activities required during IOC

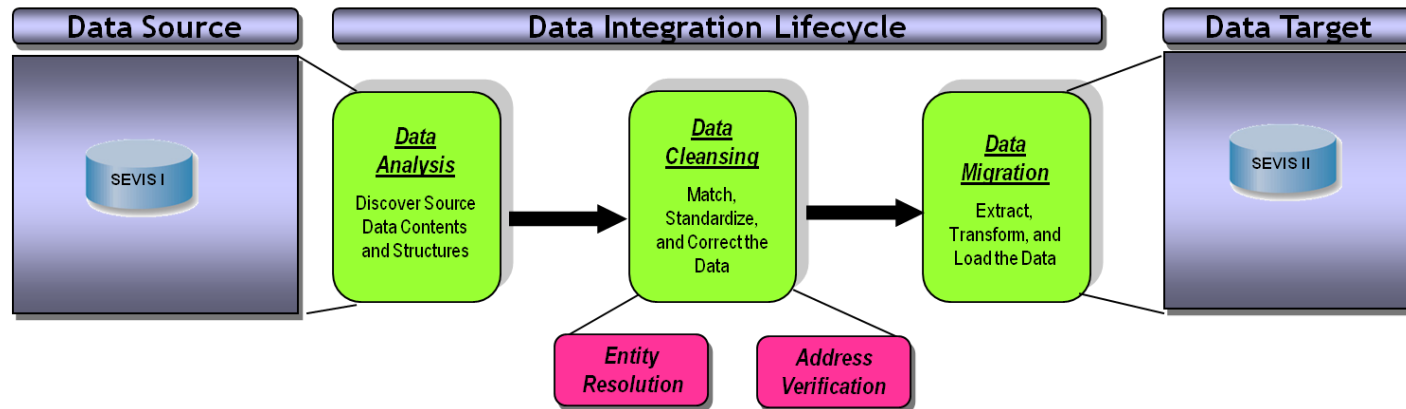


## What is the process for Data Migration?

- Data Analysis
- Data Cleansing
- Data Migration



# SEVIS II Data Migration Approach



# Data Analysis

- Analyzing SEVIS I to gain an understanding of the current data and format
- Analyzing SEVIS I to identify missing, inaccurate, and inconsistent data
- Analyzing the intended data structure for SEVIS II
- Identifying any data inconsistencies that may exist between the SEVIS I and SEVIS II
- Planning source/target mapping for every field in SEVIS I





# Data Cleansing

- Ensuring that dates are entered correctly and are relevant to the information contained in the record
- Ensuring that all migrated data conforms to the business rules defined for the system
- Performing Entity Resolution (ER) to achieve “one person, one record”
- Performing address verification to ensure that all U.S. addresses migrated are accurate and valid according to USPS standards



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# Entity Resolution (Draft Screenshot)

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### Previous SEVIS Records

#### Your Records

(Instructional text 1)

Items marked with an asterisk (\*) are required.

Account	School/Sponsor	Role	Date	Status	Confirm *
1	Fairfax County High School	DSO	2006-present	Active	Yes
2	IBM	Intern (J-1); Management, Business, Commerce and Finance	2004-2005	Not Active	<input type="button" value="v"/>
	IBM	Trainee (J-1); Aviation	2003-2004		
3	Harvard	Student (F-1); MBA	2000-2003	Not Active	<input type="button" value="v"/>
	Harvard	Student (F-1); BA Economics	1997-2000		
4	Yale	Dependent (F-2) of Leopold Schmidt	1995-1997	Not Active	<input type="button" value="v"/>

### Progress

- Your Records
- Your Records (Other)
- Your Dependents
- Your Dependents (Other)
- Confirmation

✓ = Completed

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This is a draft design and likely to be modified prior to implementation of SEVIS II

# Address Verification

Microsoft Excel - addressverification.csv

Type a question for help

File Edit View Insert Format Tools Data Window Help

Arial 10 B I U

F82 VALIDATED

	B	C	D	E	F	G
	ADDRESS	CITY	ZIP	STATE	Global AV2(Match Status)	Global AV2(Match Code)
1	PO BOX 462	NORFOLK	687020462	NE	VALIDATED	V
2	5312 PINON DRIVE	ELIZABETH	801077824	CO	VALIDATED	V
3	5312 PINON DR	ELIZABETH	801077824	CO	VALIDATED	V
4	14 MAGNOLIA COURT BIRCH	SOUTHAMPTON	8088	NJ	VALIDATED	
5	14 MAGNOLIA COURT BIRCH	SOUTHAMPTON	80880000	NJ	VALIDATED	
6	1550 ALA AMOAMO ST	HONOLULU	968191709	HI	VALIDATED	V
7	1550 ALA AMOAMO ST	HONOLULU	968191709	HI	VALIDATED	V
8	PO BOX 1102	MACKINAW	617551102	IL	VALIDATED	V
9	24 SAMOA WAY	PACIFIC PLSDS	902724653	CA	VALIDATED	V
10	24 SAMOA WAY	PACIFIC PLSDS	902724653	CA	VALIDATED	V
11	259 SOMERSET ST	NEW BRUNSWICK	89012253	NJ	VALIDATED	V
12	259 SOMERSET ST	NEW BRUNSWICK	89012253	NJ	VALIDATED	V
13	8020 SPRUCE HILL DR	CLAY	130418616	NY	VALIDATED	V
14	8020 SPRUCE HILL DR	CLAY	130418616	NY	VALIDATED	V
15	33929 LAKEWOOD DR	STERLING HTS	483126497	MI	VALIDATED	V
16	33929 LAKEWOOD DR	STERLING HTS	483126497	MI	VALIDATED	V
17	RR 2 BOX 318	OGDENSBURG	136699630	NY	VALIDATED	V
18	85 SPEEN ST SUITE 200	FRAMINGHAM	17011902	MA	VALIDATED	V
19	550 LENOIR ROAD	MORGANTON	286552661	NC	VALIDATED	V
20	9725 CHEDDAR DRIVE	VIENNA	221821925	VA	VALIDATED	V
21	9725 CHEDR DR	VIENNA	221821925	VA	UNMATCHED	U-Unknown Street
22	9725 CHEDDER DRIVE	VIENNA	221821925	VA	VALIDATED	V
23	9725 CHEDDAR DR	VIENNA	221821925	VA	VALIDATED	V
24	4305 TURNER AVE	OAKLAND	946055540	CA	VALIDATED	V
25	4305 TURNER AVE	OAKLAND	946055540	CA	VALIDATED	V
26	506 COUNTRY CLUB DRIVE	BOYNTON BEACH	33437	FL	UNMATCHED	R-Range Error
27	2 WYNDHAM COURT	BOONTON	70059510	NJ	VALIDATED	V
28	2 WYNDHAM CT	BOONTON	70059510	NJ	VALIDATED	V
29	2121 BAY FRONT TER	ANNAPOLIS	214015704	MD	VALIDATED	V
30	2121 BAY FRONT TER	ANNAPOLIS	214015704	MD	VALIDATED	V

Ready NUM

# Data Migration

- Completing source/target mapping for every field in SEVIS I
- Entering data, as required by the business rules, for all fields that are new to SEVIS II to ensure records are complete
- Validating migrated data
  - Independent testing
  - IOC



# What can I do to prepare for Data Migration?

- Spell school, campus and sponsor names correctly
- Check capitalization and spell out all words
- Check spelling of nonimmigrant names and dates of birth against official documents
- Keep nonimmigrant addresses current and correct
- Verify education levels, majors and minors
- Check and update all school and sponsor officials in SEVIS I, including e-mail addresses



## What do I need to do during IOC?

- Ensure account creation for school/sponsor officials and F,M, and J nonimmigrants in *Active* or *Initial* status
- Update biographical information for F, M, and J nonimmigrants, if necessary
- Validate migrated I-17 data, including entering additional information required in SEVIS II
- Continue to manage data in SEVIS I



# What are the new rules for names?

- If only one name:
  - It must be in the last name field
  - FNU can be used for the first name OR the single name can be used in both name fields
- The last name cannot be unknown, not applicable or any variation thereof
- Roman alphabet only
  - No special characters
  - No punctuation
  - Single spaces



# Additional Information

1. **SEVP Web site ([www.ice.gov/sevis](http://www.ice.gov/sevis))**
2. **SEVIS II Yahoo groups**
  - Join at <http://groups.yahoo.com/group/sevisii>
  - Yahoo e-mail address is not required
  - Free
  - Membership must be approved
  - Include your name, school, and role in your request
  - Includes e-mail list and a Web site with ability to post files, photographs, poll questions and more





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